

Appl. No. 09/772,484
Amdt. Dated August 17, 2004
Reply to Office Action of June 9, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in
5 the application:

Listing of Claims:

- 1 1. (currently amended): A method of operating a camera system comprising the
2 steps of:
3 providing a camera system comprising a camera and a central processing unit;
4 unit selectively configured to use either an electronic pan-tilt-zoom (EPTZ) mechanism
5 or a mechanical pan-tilt-zoom (MPTZ) mechanism for controlling pan, tilt and zoom;
6 capturing a view of a subject with the camera;
7 determining the cinematographic parameters of the view;
8 comparing the determined cinematographic parameters to reference
9 cinematographic parameters;
10 formulating recommended camera operation based on the comparison of the
11 determined cinematographic parameters to the reference cinematographic parameters;
12 and
13 ~~indicating the recommended camera operation to the user~~ operating the selected
14 EPTZ or MPTZ mechanism of said camera to implement the recommended operation.

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1 2. (currently amended): The method according to claim 1 further comprising the
2 step of ~~effecting camera operation in accordance with the recommended camera action~~
3 manually overriding automatic operation of said camera to permit said user to manually
4 adjust camera settings as desired.

1 3. (original): The method according to claim 1 wherein the providing step further
2 comprises the step of inputting data defining the reference cinematographic parameters
3 into the central processor.

1 4. (original): The method according to claim 1 wherein the capturing step comprises
2 the step of generating video data defining the view.

1 5. (original): The method according to claim 4 further comprising the step of
2 analyzing the video data and comparing it to the reference cinematographic
3 parameters.

1 6. (currently amended): The method according to claim 1 wherein the determining
2 step includes the step of measuring ~~[[the]]~~ a length of time during which the view
3 remains the same.

1 7. (original): The method according to claim 1 wherein the comparing step
2 comprises the step of determining the level of quality of the view based on the

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- 3 comparison between the determined cinematographic parameters and the reference
4 cinematographic parameters.

- 1 8. (original): The method according to claim 7 further comprising the step of
2 formulating recommended camera operation that effects capture of a new view if it is
3 determined that the quality of the captured view is below a predetermined level of
4 quality.

- 1 9. (currently amended): The method according to claim ~~[[1]]~~ 6 further comprising the
2 step of comparing the determined length of time to a predetermined length of time.

- 1 10. (original): The method according to claim 9 further comprising the step of
2 formulating recommended camera operation so as to capture a new view if the
3 determined length of time exceeds the predetermined length of time.

- 1 11. (original): The method according to claim 1 wherein the captured view has an
2 angle and the determined step comprises the step of determining the angle of the view.

- 1 12. (original): The method according to claim 1 wherein the comparing step
2 comprises comparing the determined angle of the captured view to a reference angle
3 defined by the reference cinematographic parameters.

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1 13. (original): The method according to claim 11 wherein the formulating step
2 comprises the step of formulating recommended camera operation that effects variation
3 of the angle of the captured view.

1 14. (currently amended): A camera system, comprising:
2 a camera system comprising a central processing unit and a camera for capturing
3 a view of a subject, said camera being selectively configured for using either an
4 electronic pan-tilt-zoom (EPTZ) mechanism or a mechanical pan-tilt-zoom (MPTZ)
5 mechanism for controlling pan, tilt and zoom, the central processor unit being in data
6 communication with the camera, the central processor being configured to (i) determine
7 the cinematographic parameters of the captured view, (ii) compare the determined
8 cinematographic parameters to reference cinematographic parameters, and (iii)
9 formulate recommended camera operation based on the comparison of the determined
10 cinematographic parameters to reference cinematographic parameters; and
11 an indicating device for indicating the recommended camera operation to the
12 ~~user.~~ user for the selected EPTZ or MPTZ mechanism.

1 15. (original): The camera system according to claim 14 further comprising means for
2 controlling the camera in accordance with the formulated recommended camera action.

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1 16. (currently amended): An article of manufacture, comprising a computer
2 processor usable medium having computer processor readable program code

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3 embodied therein for determining the cinematographic parameters of a view captured
4 by a camera and formulating recommended camera operation using a camera system
5 comprising a central processing unit and a camera for capturing a view of a subject,
6 said camera being selectively configured for using either an electronic pan-tilt-zoom
7 (EPTZ) mechanism or a mechanical pan-tilt-zoom (MPTZ) mechanism for controlling
8 pan, tilt and zoom, the central processor unit being in data communication with the
9 camera, the central processor being configured to (i) determine the cinematic
10 parameters of the view, (ii) compare the determined cinematic parameters to reference
11 cinematographic parameters, [[and]] (iii) formulate recommended camera operation
12 based on the comparison of the determined cinematographic parameters to reference
13 cinematographic parameters, and (iv) implement the recommended camera operation
14 via the EPTZ or MPTZ mechanism, the computer processor readable program code in
15 the article of manufacture comprising:

16 computer processor readable program code configured to cause the camera
17 system to determine the cinematographic parameters of a view captured by the camera;

18 computer processor readable program code configured to cause the camera
19 system to compare the determined cinematographic parameters to corresponding
20 reference cinematographic parameters ~~parameters~~ parameters, respectively;

21 computer processor readable program code configured to cause the camera
22 system to formulate recommended camera operation based on the comparison of the
23 determined cinematographic parameters and reference cinematographic parameters;

24 and

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25 computer processor readable program code being configured to operate the
26 selected EPTZ or MPTZ configured camera to selectively either implement the
27 recommended camera operation, or cause the camera system to indicate the
28 recommended camera operation to the user.